

Title (en)
POWER MODE RECOMMENDATION SYSTEM FOR CONSTRUCTION MACHINE

Title (de)
LEISTUNGSMODUSEMPFEHLUNGSSYSTEM FÜR EINE BAUMASCHINE

Title (fr)
SYSTÈME DE RECOMMANDATION DE MODE DE PUISSANCE POUR ENGIN DE CONSTRUCTION

Publication
EP 3762551 A1 20210113 (EN)

Application
EP 18908293 A 20180309

Priority
KR 2018002839 W 20180309

Abstract (en)
[origin: WO2019172473A1] A power mode recommendation system for a construction machine including a hydraulic system driven by working fluid supplied by a hydraulic pump. A controller configured to analyze engine torque, flow rates of working fluid in use, amounts of fuel consumption of the plurality of power modes and to recommend a power mode indicating lowest fuel consumption, from among the plurality of power modes, using the analysis. A human-machine interface (HMI) device displays the power mode recommended by the controller to an operator. The system recommends an efficiency power mode to an operator by analyzing not only the amount of fuel consumed by the construction machine, but also flow rates of working fluid in use and operating speeds.

IPC 8 full level
E02F 9/20 (2006.01); **E02F 9/22** (2006.01); **E02F 9/26** (2006.01)

CPC (source: EP US)
E02F 9/22 (2013.01 - US); **E02F 9/2235** (2013.01 - EP); **E02F 9/2246** (2013.01 - EP); **E02F 9/2296** (2013.01 - EP); **E02F 9/26** (2013.01 - US); **E02F 9/267** (2013.01 - EP)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019172473 A1 20190912; CN 111819332 A 20201023; CN 111819332 B 20220809; EP 3762551 A1 20210113; EP 3762551 A4 20211110; US 11773569 B2 20231003; US 2021010238 A1 20210114

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KR 2018002839 W 20180309; CN 201880090858 A 20180309; EP 18908293 A 20180309; US 201816978254 A 20180309